

What is claimed is:

- 1 1. A ~~valved connector, comprising:~~
2 a connector body having a tubular portion extending therefrom; and
3 ~~✓ a valve body including a valve element with a passage therethrough, said~~
4 ~~valve body being axially movably with respect to said connector body;~~
5 ~~wherein said valve body is movable from a closed position in which said~~
6 ~~tubular portion of said connector body is exterior to said passage of said valve~~
7 ~~element to an open position in which said tubular portion of said connector body~~
8 ~~is applied against said valve element to at least partially open said valve element.~~
- 1 2. The valved connector of claim 1, wherein, when said valve body is in its
2 open position, ~~said~~ connector body is applied against a
3 distal surface of said valve element.
- 1 3. The valved connector of claim 1, wherein, when said valve body is in its
2 open position, ~~said~~ connector body extends through ~~said~~
3 passage of said valve element.
- 1 4. The valved connector of claim 3, wherein, in moving from ~~said~~ closed
2 position to ~~said~~ open position, ~~said~~ tubular portion extending from ~~said~~
3 connector body penetrates ~~said~~ valve element from a distal side to a proximal
4 side.
- 1 5. The valved connector of claim 1, wherein ~~said~~ connector body is
2 configured in a Y-shape with a main channel and a lateral channel branching
3 therefrom, ~~said~~ valve body being positioned at a proximal end of ~~said~~ main
4 channel, ~~said~~ connector body having a first attachment means at a distal end of
5 ~~said~~ main channel and a second attachment means at a proximal end of ~~said~~
6 lateral channel.
- 1 6. The valved connector of claim 5, wherein ~~said~~ first attachment means
2 comprises a male luer lock connector and ~~said~~ second attachment means
3 comprises a female luer lock connector.
- 1 7. The valved connector of claim 1, wherein when ~~said~~ valve body is in
2 ~~said~~ closed position ~~said~~ passage of ~~said~~ valve element closes to form a fluid tight
3 seal.

1 8. The valved connector of claim 1, wherein when said valve body is in
2 said open position said connector body presents an uninterrupted channel
3 without obstacles for introducing a secondary device inserted through said
4 connector body.

1 9. The valved connector of claim 1, wherein when said valve body is in
2 said closed position said passage of said valve element closes to form a fluid tight
3 seal around a secondary device inserted through said passage.

1 10. The valved connector of claim 1, further comprising a sliding seal
2 between said valve body and said connector body.

1 11. The valved connector of claim 1, further comprising a sliding seal
2 between said valve element and said tubular portion extending from said
3 connector body.

1 12. The valved connector of claim 1, wherein said valve element is made
2 of an elastomeric material.

1 Sub
2 al 13. A valved connector, comprising:
3 a connector body having a tubular portion extending proximally
4 therefrom, wherein said connector body is configured in a Y-shape with a main
5 channel and a lateral channel branching therefrom, said connector body having a
6 first attachment means at a distal end of said main channel and a second
7 attachment means at a proximal end of said lateral channel; and

8 a valve body including a valve element with a passage therethrough, said
9 valve body being positioned at a proximal end of said main channel and axially
10 movably with respect to said connector body;

11 wherein said valve body is movable from a closed position in which said
12 tubular portion of said connector body is exterior to said passage of said valve
13 element to an open position in which said tubular portion of said connector body
14 extends through said passage of said valve element from a distal side to a
15 proximal side of said valve element, wherein when said valve body is in said
16 closed position said passage of said valve element closes to form a fluid tight seal,
17 wherein when said valve body is in said open position said valved connector
18 presents an open channel for introducing a secondary device inserted through
19 said connector body, and wherein when said valve body is in said closed position
20 with the secondary device inserted therethrough, said passage of said valve
element closes to form a fluid tight seal around the secondary device.

1 14. The valved connector of claim 13, wherein said first attachment means
2 comprises a male luer lock connector and said second attachment means
3 comprises a female luer lock connector.

1 15. The valved connector of claim 13, wherein said first attachment means
2 comprises a rotating male luer lock connector and said second attachment means
3 comprises a female luer lock connector.

1 16. The valved connector of claim 13, further comprising a sliding seal
2 between said valve body and said connector body.

1 17. The valved connector of claim 13, further comprising a sliding seal
2 between said valve element and said tubular portion extending from said
3 connector body.

1 18. The valved connector of claim 13, wherein said valve element is made
2 of an elastomeric material.

Add a² >